

THE CLAIMS

1. (Previously presented) A door of a motor vehicle comprising a body shell and at least one movable glass panel arranged to slide at least partially on an inside of the body shell between a sealing position and at least one open position, wherein:

the door comprises at least one strut bearing a watertight joint against which an inside of the movable glass panel presses in the sealing position, and wherein:

the at least one strut bears at least one guide track, said at least one guide track configured to:

- move the movable glass panel toward the outside of the motor vehicle in a sliding position, when the movable glass panel slides from said sealing position into said open position, the movable glass panel sliding separated from the watertight joint in the sliding position so that the movable glass panel does not lean against the watertight joint in said sliding position and so that the movable glass panel slides without damaging the watertight joint; and
- guide the movable glass panel, when the movable glass panel slides from said open position into said sealing position, to return to press against the watertight joint in the sealing position.

2. (Previously presented) A door according to claim 1, wherein, in the sliding position, the glass panel is in a sliding plane parallel to a sealing plane occupied by the glass panel in the sealing position.

3. (Previously presented) A door according to claim 1, wherein the at least one strut bears at least two guide tracks, respectively next to upper and lower parts of the movable glass panel.

4. (Previously presented) A door according to claim 1, wherein the at least one strut enters into the body shell.

5. (Previously presented) A door according to claim 1, wherein the at least one strut is arranged to contact with a side of the movable glass panel that is turned toward an inside of the motor vehicle, so as to have a flush aspect in the sealing position.

6. (Previously presented) A door according to claim 1, wherein the at least one strut is connected at an upper part by a cross member to form an interior frame, the watertight joint substantially extending along the entire length of the frame.

7. (Previously presented) A door according to claim 1, wherein the movable glass panel is mounted to at least one shoe whose displacement is guided via a guide rail and the at least one guide track.

8. (Previously presented) A door according to claim 7, comprising a motorized means of driving the movable panel that act on at least one of the shoes, ensuring the sliding.

9. (Previously presented) A door according to claim 1, comprising a motorized means of driving the movable panel, ensuring the sliding.

10. (Previously presented) A door according to claim 9, wherein the means of driving are mounted into a single rail fitted to at least one of the inside of the body shell, and at least one of the struts.

11. (Previously presented) A door according to claim 1, wherein the door further comprises at least one fixed panel, fitted adjacent to a sealing plane occupied by the movable glass panel in the sealing position.

12. (Previously presented) A door according to claim 1, wherein the door comprises at least one

windscreen wiper blade intended to be moved across the glass panel in the sealing position, and means of guiding on the at least one strut as to allow for movement of the at least one blade.

13. (Previously presented) A door according to claim 1, wherein the door has a blind.

14. (Previously presented) A door according to claim 13, wherein the blind comprises a pull bar, and the door comprising at least one shoe attached to the pull bar, and the shoe slides along the at least one strut for moving the blind between a folded position and a spread out position.

15. (Previously presented) A door according to claim 1, wherein the door comprises burglarproof means acting upon the movable glass panel in the sealing position.

16. (Previously presented) A door according to claim 15, wherein the burglarproof means comprise at least one lock intended to operate with a complementarily shaped housing set into one of the struts or into the frame, providing a burglarproof position of the glass panel in the sealing position, according to which the glass panel cannot be pulled towards the exterior of the vehicle.

17. (Previously presented) A door according to claim 16, wherein the at least one lock is arranged to slot into a part that protrudes the struts or the frame.

18. (Previously presented) A door according to claim 1, wherein the door comprises means of adjusting the sealing position of the movable glass panel.

19. (Previously presented) A door according to claim 18, wherein the means of adjusting are supported by at least a portion of the movable glass panel, and operate with the frame so as to adjust the sealing position of the movable glass panel.

20. (Previously presented) A door according to claim 19, wherein the means of adjusting comprise two screws, one acting on the sealing position along the width of the movable glass panel, the other acting on the sealing position along the height of the movable panel.

21. (Previously presented) A door according to claim 1, wherein the at least one strut is an extrusion.

22. (Previously presented) A unit of a door for a motor vehicle, creating a kit ready to be mounted to a lower shell of the door, and comprising at least one movable glass panel arranged to slide at least partially on an inside of the lower shell between a sealing position and at least one open position, wherein:

the unit comprises at least one strut bearing a watertight joint against which an inside of the movable glass panel presses in the sealing position, and wherein the at least one strut bears at least one guide track, said at least one guide track configured to:

- move the movable glass panel toward the outside of the motor vehicle in a sliding position, when the movable glass panel slides from said sealing position into said open position, the movable glass panel sliding separated from the watertight joint in the sliding position so that the movable panel does not lean against the watertight joint in the sliding position and so that the movable glass panel slides without damaging the watertight joint, and
- guide the movable glass panel, when the movable glass panel slides from said open position into said sealing position, to return to press against the watertight joint in a sealing plane, that is parallel to the sliding plane.

23. (Previously presented) A unit according to claim 22, wherein the door also comprises means of motorization for moving the glass panel.

24. (Previously presented) A unit according to claim 22, wherein the at least one strut has an extension intended to enter the lower shell so as to allow the interlocking of the lower shell with the unit.

25. (Previously presented) A unit according to claim 22, wherein the unit comprises means of stiffening for stiffening the at least one strut.

26. (Previously presented) A unit according to claim 25, wherein the means of stiffening comprise at least one lower cross member linking the lower shell to the at least one strut.

27. (Previously presented) A unit according to claim 26, wherein the lower cross member has a coupling that provides support of the at least one strut.

28. (Previously presented) A unit according to claim 27, wherein the coupling comprises a housing for the at least one strut.

29. (Previously presented) A unit of the door according to claim 28, wherein the at least one guide track has at least one mounting bracket on one of the at least one strut and the lower cross member.

30. (Previously presented) A unit according to claim 23, wherein the means of motorization are fitted to a lower cross member linking the lower shell to the at least one strut.

31. (Previously presented) A unit according to claim 23, wherein the means of motorization comprises:

at least one gear motor,

at least one coil coupled to the gear motor, at least one multi-stranded cable,

at least one protective sheath of the cable, and means of placing the cable under tension.

32. (Previously presented) The unit according to claim 22, comprising a blind.

33. (Previously presented) A motor vehicle, wherein at least one door of the motor vehicle comprises a body shell and at least one movable glass panel arranged to slide at least partially on an inside of the body shell between a sealing position and at least one open position, wherein:

at least one strut bears a watertight joint against which an inside of the movable glass panel presses in the sealing position, and wherein

the at least one strut bears at least one guide track, said at least one guide track configured to:

- move the movable glass panel toward the outside of the motor vehicle in a sliding position, when the movable glass panel slides from said sealing position into said open position, the movable glass panel sliding separated from the watertight joint in the sliding position so that the movable panel does not lean against the watertight joint in this sliding position and so that the movable glass panel slides without damaging the watertight joint, and
- guide the movable glass panel, when the movable glass panel slides from said open position into said sealing position, to return to press against the watertight joint in the sealing plane that is parallel to the sliding plane.

34. (Cancelled)

35. (Previously presented) A door according to claim 9, wherein the means of driving are mounted into a single rail fitted to at least one of the inside of the body shell, or at least one of the struts.

36. (Previously presented) A unit of the door according to claim 28, wherein the at least one guide track has at least one mounting bracket on one of the at least one strut or the lower cross

member.